

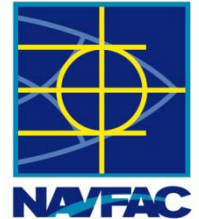
# **Parcel E Technical Memorandum Soil Excavation Characterization**

Hunters Point Naval Shipyard  
BCT Meeting  
December 6, 2012





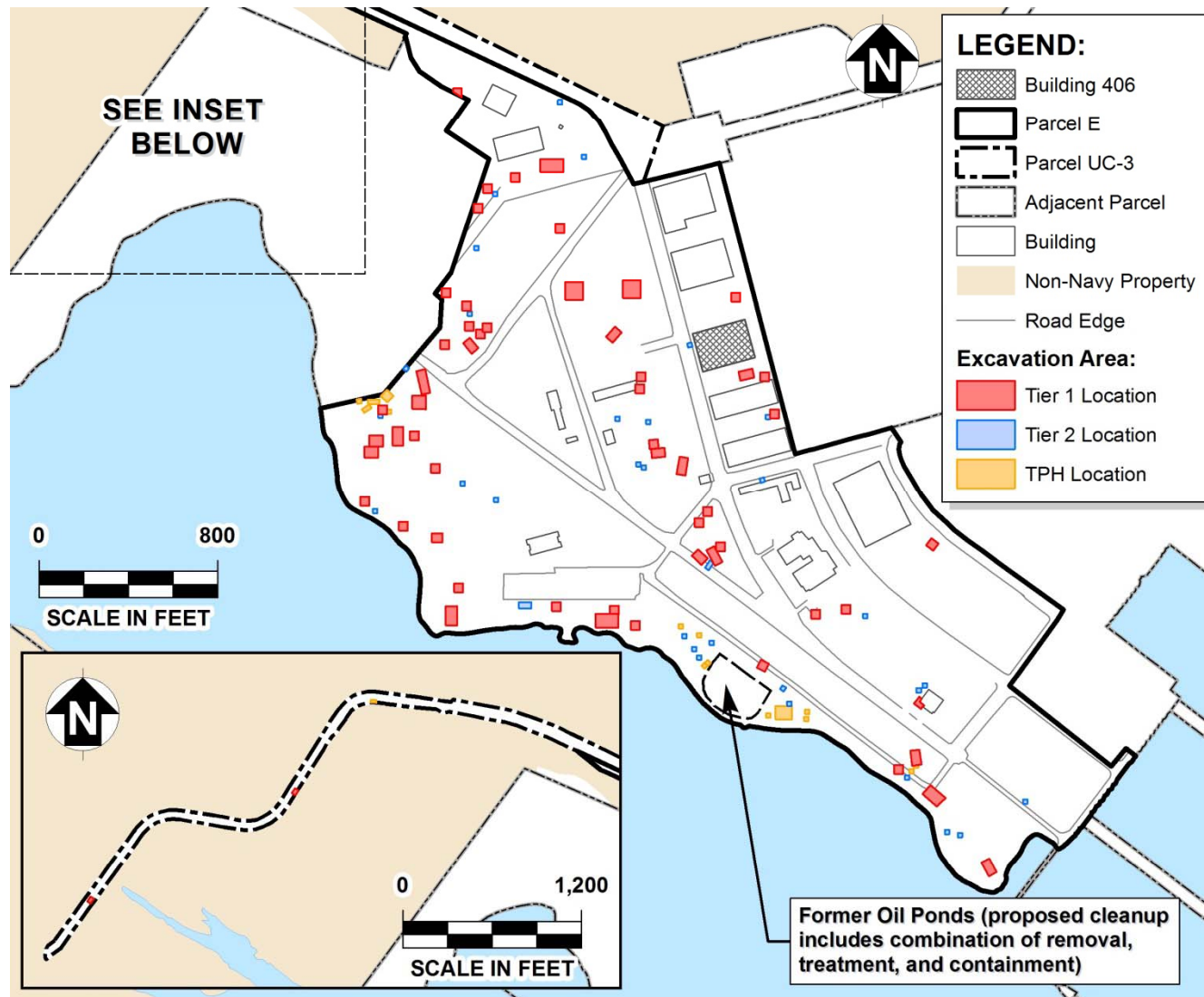
# Overview



- FS identified historic detections of COC's in the soil above the Remedial Goal
- COC's included metals, SVOC's, PCB's, Pesticides and TPH
- These soil "hot spots" were not fully defined, horizontally and vertically
- "hot spots" are defined as either Tier I ( $>10x$  the remedial goal (RG)), or Tier II ( $>5x$  the RG)
- Goal of this investigation is to define these "hot spots" and recommend the volume of soil to be removed at each "hot spot"
- Purpose of this soil characterization is to eventually use this data in the ROD/RD, and be the basis for a Removal Action

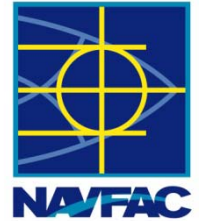


# "Hot Spots" in Parcel G





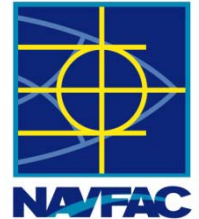
## Field Work



- Sampling was performed in September and October 2012
- 283 soil samples were collected and analyzed, in addition to 30 QC samples
- Depth of samples collected ranged between 1.5' and 9.5' bgs
- Further delineation and verification of all 108 "hot spots"



## Field Work (continued)



- Field work challenges
  - Some sample locations had to be slightly adjusted, or could not be collected due to:
    - Subsurface obstructions
    - Physical constraints (i.e. large rip rap rocks along the shore line)
    - Samples could not be collected at 9 "hot spot" locations along the shoreline
    - Working on or around the radiation screening pads, and other soil piles
- No H&S issues or incidents







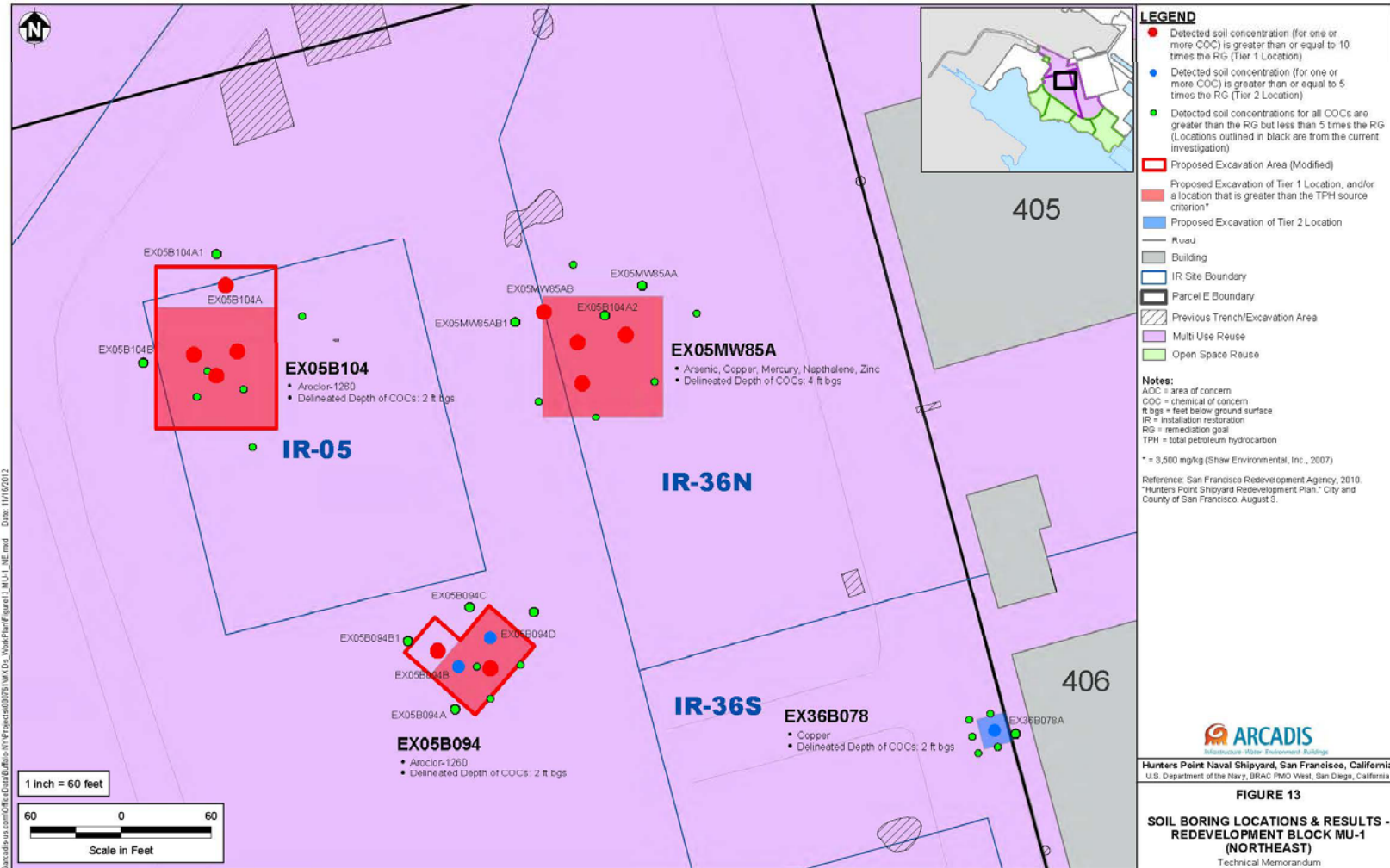
# EOS-1 Shoreline





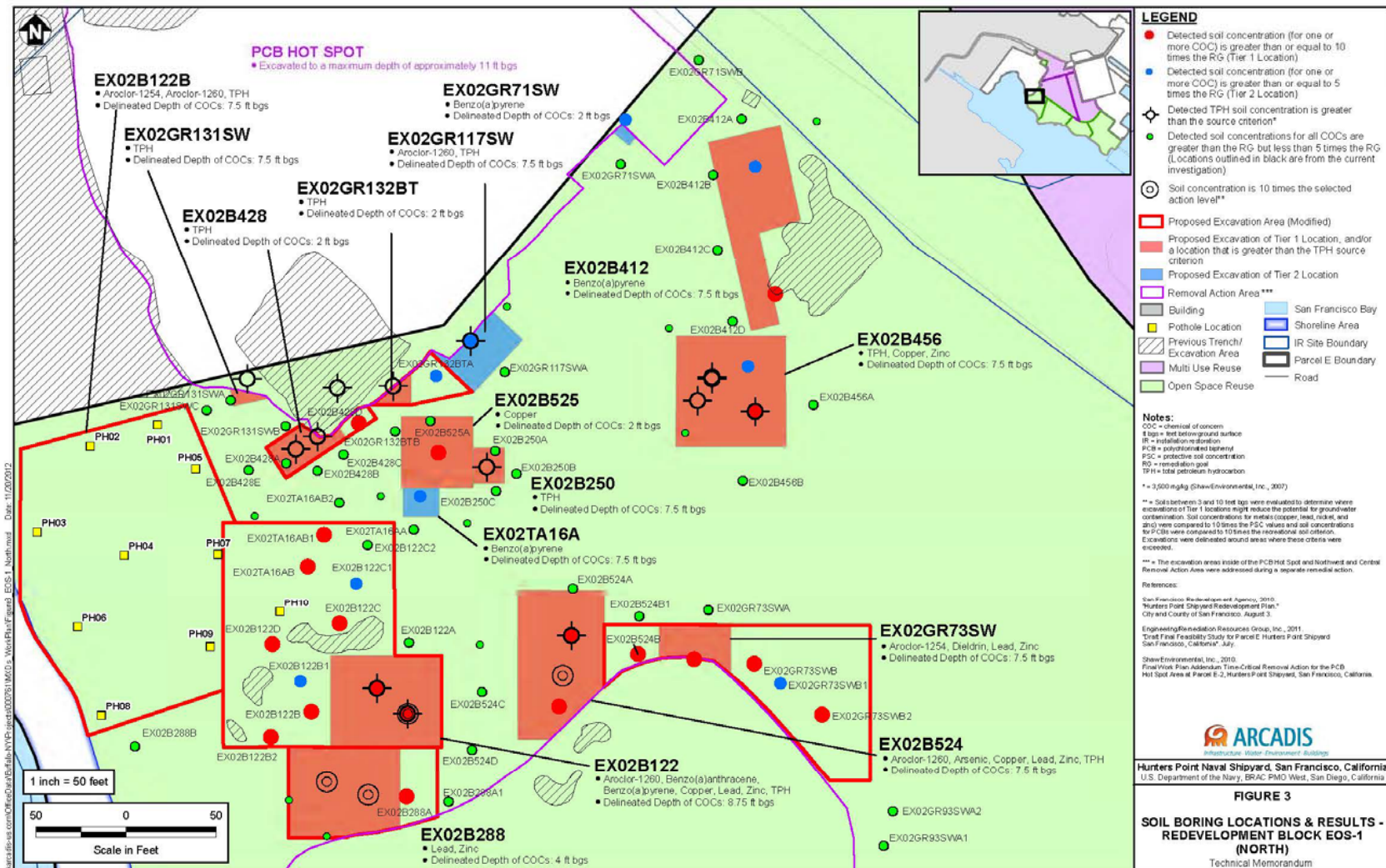


# Soil Boring Locations & Results – MU-1





# Soil Boring Locations & Results –EOS-1 (North)





# Step out borings







# Coring and Hand Auguring



Boring location EX13B010A in a 12-inch asphalt containment.





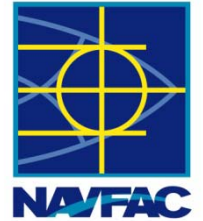
## Technical Memorandum



- Tech Memo will summarize;
  - All activities completed
  - All analytical data
  - Figures of delineated "hot spots"
  - A summary of what sample points or physical constraints were used to define each "hot spot"
  - Quantity of soil recommended to be removed at each "hot spot"



## Schedule



- Draft Tech Memo for BCT review
  - January 8 through February 7, 2013



Questions/Comments?

